

**SAMPLE PRECONCENTRATION TUBES WITH SOL-GEL  
SURFACE COATINGS AND/OR SOL-GEL MONOLITHIC BEDS**

**ABSTRACT OF THE DISCLOSURE**

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A method of preconcentrating trace analytes is accomplished by extracting polar and non-polar analytes through a sol-gel coating. The sol-gel coating is either disposed on the inner surface of a capillary tube or disposed within the tube as a monolithic bed.